

SYSTEMATIC NOTES ON SOME EASTERN AUSTRALIAN MEMBERS
OF THE PAPILIONACEAE.

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Synopsis.

A species of *Oxylobium* and a species of *Pultenaea* are described as new. A new name is provided for a species of *Pultenaea*. Four new combinations are made, two for species of *Mirbelia*, one for a species of *Pultenaea* and one for a variety of *Dillwynia*.

INTRODUCTION.

In the course of systematic studies on the Papilionaceae carried out at the National Herbarium it has become evident that some taxa require naming or renaming. The new names are now presented.

OXYLOBIUM Andr.

OXYLOBIUM ROBUSTUM, sp. nov.

Frutex saepe 3 m. altus, caulibus pubescentibus. Folia plus minus opposita vel verticillata, angusto-lanceolata vel linearia, apice pungente, saepe 7 cm. longa coriacea, supra pilosa vel glabra, rarius reticulata et scabrida, infra laxe pubescentia vel tomentosa, marginibus recurvibus. Stipulae 0. Flores plerumque 1 cm. longi, in racemos breves terminales vel axillares dispositi. Bracteae et bracteolae deciduae. Calyx sericeus, lobis acuminatis quam tubo longioribus. Ovarium sessile, ovules 10 vel pluribus. Legumen plerumque 1 cm. longum, breviter stipitatum, brevi-oblongum, valide compressum a latere, ad suturam contractum, oblique rostratum, pubescens, semina estrophiolata.

A shrub, often 3 m. high, the stems pubescent. Leaves irregularly opposite or in irregular whorls of three, narrow-lanceolate to linear, pungent-pointed, frequently 7 cm. long, coriaceous, the upper surface pilose or glabrous, occasionally reticulate and covered with small tubercles, the lower loosely pubescent or tomentose, the margins recurved. Stipules absent. Flowers usually 1 cm. long, in short terminal or axillary racemes. Bracts and bracteoles deciduous. Calyx silky-pubescent, the lobes acuminate, longer than the tube. Ovary sessile, the ovules 10 or more. Pod usually 1 cm. long, shortly stipitate, short-oblong, strongly laterally compressed, contracted at the suture, obliquely beaked, pubescent, the seeds not strophiolate.

Holotype: Byron Bay, Bauerlen 8.1896 (NSW 31556), in National Herbarium, Sydney.

Distribution: QUEENSLAND: Scortechini (NSW 31548); Noosa R., Staer 9.1911 (NSW 31547); Currumbin Creek, White 9.1912 (NSW 31546); Mt. Lindsay, White 10.1921 (NSW 31549). NEW SOUTH WALES: Byron Bay, Rupp 9.1917 (NSW 31554); Three Mile Scrub, near Byron Bay, Forsyth 11.1898 (NSW 31550, NSW 31557); Lismore, Rothwell 10.1906 (NSW 31560); ? Alstonville, Tomlins, about 1903 (NSW 31552); Richmond R., Betche 9.1884 (NSW 31553); Hat Head, Constable 1.1953 (NSW 31559); Crescent Head, Davis 10.1941 (NSW 31555); Port Macquarie, Boorman 11.1915 (NSW 31558); Kendall, Bailey 9.1932 (NSW 31551); North Haven, Sless 10.1956 (NSW 39517).

Bentham, *Fl. Austr.*, II (1864), 16, Moore & Betche, *Handb. Fl. N.S.W.* (1893), 129, and Bailey, *Queensland Flora* (1900), 336, include this species in *O. ellipticum* (Labill.) R.Br. and/or *O. ellipticum* (Labill.) R.Br. var. *angustifolium* Benth.

MIRBELIA Sm.

MIRBELIA PLATYLOBIOIDES (DC.), comb. nov.

Synonymy: *Chorizema platylobioides* DC., *Prod.*, II (1825), 103; *Mirbelia grandiflora* Ait. f. ex Hook. in *Bot. Mag.* (1827), t. 2771.

MIRBELIA BAUERI (Benth.), comb. nov.

Synonymy: *Chorizema baueri* Benth. in *Ann. Mus. Wien*, II (1838), 71 (as *Chorozema*); *Mirbelia janiae* Blakely in *Aust. Nat.*, X (1938), 132.

I am indebted to Dr. R. Melville, of the Royal Botanic Gardens, Kew, who indicated to me that *Chorizema baueri* appeared to be synonymous with *Mirbelia janiae*. Dr. Melville dissected a flower from Bentham's Type specimen and forwarded a copy of his accurate camera lucida drawing which is now housed in the National Herbarium, Sydney. A photograph of this specimen, Negative No. Kew 803, in the possession of the Division of Plant Industry, C.S.I.R.O., Canberra, has been kindly lent to me by Miss N. T. Burbidge.

PULTENAEA Sm.

PULTENAEA BLAKELYI, nom. nov.

Synonymy: *Pultenaea trinervia* Blakely in *Contrib. N.S.W. Nat. Herb.*, I (1941), 122, non *P. trinervis* J. M. Black (1923).

PULTENAEA PALUDOSA, sp. nov.

Frutex parvus, plerumque quam 40 cm. brevior, caulibus teretibus vel minoribus subtriquetris, pubescens pilis longis tenuibus, laxe appressis. Folia usque ad 0.8 cm. longa alternata erecta ovata vel ovata-lanceolata, utrinque glabra vel rare pilis paucis longis tenuibus, supra plerumque plana, marginibus plerumque planis et subtuberculatis, apice obtuso vel rare subacuto, nervo primo inconspicuo. Stipulae minutae triangulares pallido-virides. Flores 0.6 cm. longi in capites parvas densas terminales dispositi. Bracteae 0.3 cm. longae, ovatae vel lanceolatae vel lineares, pubescentes pilis longis tenuibus, saepe lobis 2 lateralibus parvis. Bracteolae 0.2-0.3 cm. longae lineares pubescentes, pilis longis tenuibus, ad pedicellum sub base calycis dispositae. Calyx 0.3 cm. longus, pilis longis tenuibus sed minus versus basem vestitus, lobis inferioribus acuminatis, quam tubo longioribus, superioribus latioribus, breviter connatis. Ovarium dense pubescens usque ad basem, stylo brevi pubescenti, compresso. Legumen 0.3-0.4 cm. longum, turgidum.

A small shrub usually less than 40 cm. in height, the branches terete or the smaller ones somewhat three-sided, pubescent with long, fine, loosely appressed hairs. Leaves 0.8 cm. or less in length, alternate, erect, ovate to ovate-lanceolate, the upper surface usually flat, the margins usually flat and slightly tuberculate, the apex obtuse or rarely somewhat acute, both surfaces glabrous or rarely with a few long fine hairs, the mid-vein inconspicuous. Stipules minute, triangular, light green. Flowers 0.6 cm. long in small dense terminal heads. Bracts 0.3 cm. long, ovate to linear, often with two small lateral lobes, pubescent with long fine hairs. Bracteoles 0.2-0.3 cm. long, linear, pubescent with long fine hairs, attached to the pedicel below the base of the calyx. Calyx 0.3 cm. long, covered with long fine hairs but less so towards the base of the tube, the lower lobes acuminate, longer than the tube, the upper broader than the lower and united higher up. Ovary densely pubescent to the base, the style short, pubescent, flattened. Pod 0.3-0.4 cm. long, turgid.

Holotype: Swamps between Coogee and Bondi, Betche 16.9.1886 (NSW 38185), in National Herbarium, Sydney.

Distribution: NEW SOUTH WALES: Myall Lakes, Sydney University Expedition 8.1934 (NSW 38183); Tenilba, Port Stephens, Earp 7.1953 (NSW 38182), 8.1954 (NSW 38180); Iter Australiense, Brown 1802-5 (NSW 38181); Centennial Park, Chippendale 8.1953 (NSW 38187); Centennial Park, Forsyth 10.1896 (NSW 38186); Botany, Fletcher 8.1888 (NSW 38189); Botany Bay, Camfield 10.1898 (NSW 38188); La Perouse, Camfield 10.1898 (NSW 38190); Bulli Pass-Appin road, 5 miles from Bulli Pass, Rodway 9.1934 (NSW 38184).

This species has been included in *P. incurvata* A. Cunn. by Australian authors.

PULTENAEA BRUNIOIDES (Meissn.), comb. nov.

Synonymy: *Dillwynia brunioides* Meissn. in Lehm., *Pl. Preiss.* I (1844), 62.

DILLWYNIA Sm.

DILLWYNIA RETORTA (Wendl.) Druce var. PHYLICOIDES (A. Cunn.), comb. nov.

Synonymy: *D. phyllicoides* A. Cunn. in Field, *N.S.W.* (1825), 347; *D. ericifolia* Sm. var. *phyllicoides* (A. Cunn.) Benth., *Fl. Austr.*, II (1864), 148.
